

S/133/60/000/011/015/023
A054/A029

Protection of the Main Driving Machines of 1,150-mm Blooming Mills According to the Main Effective Value

tional to the mean effective stator current. In order to prevent overheating of the motor, the following inequality has to be maintained:

$$I_n^2 T_c \geq \int_0^{T_c} i^2 dt \quad \text{or} \quad I_n^2 T_c \geq A, \quad (1)$$

where I_n is the nominal stator current (436 amp) intensity; T_c the interval of time during which the mean effective current must not be higher than the nominal current (this interval was assumed to be 15 min). [Abstractor's note: Subscripts n and c are translations of the original n (nominal) and c (cycle)]. A is the value which was proportional to the energy losses in the stator winding. The value of A was determined with an induction counter of losses, the contacts of which are connected when

$$A = I_n^2 T_c = \frac{436^2 \cdot 15}{60} \approx 47,500 \text{ a}^2 \text{ hour}$$

S/133/60/000/011/015/023
A054/A029

AUTHORS: Boguslavskiy, Ya.K.; Makarov, N.A.; - Engineers

TITLE: Protection of the Main Driving Machines of 1,150-mm Blooming Mills
According to the Main Effective Value

PERIODICAL: Stal', 1960, No. 11, pp. 1,024 - 1,025

TEXT: In the blooming mill shop of the Dzerzhinskiy Plant a new technology was introduced, comprising forced operation and processing of two blooms on the stand simultaneously. This method meant a considerable increase of machining time and consequently the motors of the main drive had to be switched on 35-50% longer. Especially the motor of the driving wheel was exposed to this additional strain and as a result of this longer operating time, the slip of the motor at the end of the pass increased and consequently the load on the driving wheel became greater as well. The load of the asynchronous motor according to the mean effective value attained 125% of the rated current intensity while a number of other factors also contributed to the overload of the motor. For the purpose of controlling the load of the asynchronous motor continuously, a new system was applied, based on the principle that the heating up of the stator winding of the asynchronous motor was determined by the value of losses propor-

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MAKAROV, N.A., inzh.

New lifeboat. Sudostroenie 25 no.9:6-7 S '59.
(MIRA 12:12)

(Lifeboats)

DOKHMAN, S.A.; MAKAROV, N.A.; KULIKOVA, T.K.; ROTGAUZ, I.I.; FILIPP, K.I.

New formation method for selenium cells. Prom.energ. 14 no.3:39-40
Mr. '59. (MIRA 12:4)
(Selenium cells)

SOV/137-58-9-19601

The Building Up of Oxide Films (cont.)

adsorption of water or lacquer solvent during the building up and subsequent coloring. This causes the appearance of W. The local distribution of W might be the result of an unevenness in the thickness and porosity of F. W does not appear upon the building up in water at pH 4. W appearing earlier disappears upon the second building up at pH 4.5. A new method for colorless building up anode F on plated material in a solution containing 10 g/l NH_4NO_3 and 0.05 g/l $(\text{NH}_4)_2\text{HPO}_4$ was developed.

V.G.

1. Aluminum--Oxidation
2. Oxide films--Development
3. Electrolytes--Properties
4. Sulfuric acid--Applications
5. Water--Performance

Card 2/2

SOV/137-58-9-19601

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 210 (USSR)

AUTHORS: Golubev, A.I., Makarov, N.A., Samokhvalov, L.N.

TITLE: The Building Up of Oxide Films Obtained by the Anodic Oxidation of Aluminum and its Alloys (Napolneniye okisnykh plenok, poluchayemykh anodnym oksidirovaniyem alyuminiya i yego splavov)

PERIODICAL: V sb.: Korroziya i zashchita metallov, Moscow, Oborongiz, 1957, pp 354-367

ABSTRACT: The causes of the appearance of "white spots", which form upon the building up of an anode oxide film (F) in tap water at 90-95° were investigated. It is assumed that the process of building up of F in water acidulated with H_2SO_4 should be regarded as the chemical reaction of the solution with the oxide F. The "whiteness" (W) may appear as a result of insufficient time for building up the F or as a result of its treatment in water at low pH (2.8-3.9). In the latter case, probably, the oxide F reacts not only with water but also with the SO_4^{2-} forming on the walls of the pores of the $Al_2(SO_4)_3$ and other S-containing compounds which contribute to a stronger

Card 1/2

MAKAROV, N. A.; SAMOIGIVALOV, L. N.; GOLUBEV, A. I.;

"Filling the Pores of Oxide Films Obtained by Anodic Oxidation of Aluminum and Its Alloys," Korroziya i azshchita metallov (Corrosion and Protection of Metals), Moscow, Oborongiz, 1957. 366 p.

PURPOSE: This book is intended for engineering, technical and scientific personnel, at industrial plants, research institutes, and design offices working in the field of corrosion-protection of stainless steel, high-strength structural steel, and light alloys.

MAKAROV, N.A.

YEVTYUTOV, A.A.; MAKAROV, N.A.; PLYUSHKIN, M.Z.; CHEMODANOV, V.S.

Discussion at the Urals' aluminum plant of V.A. Mazel's
book "Production of alumina." A.A. Evtiutov and others.
TSvet. met. 29 no.10:85-86 0 '56.

(MLRA 9:12)

(Alumina)

(Mazel, V.A.)

MAKAROV, N.A., inzhener.

Adjusting the ASU-11 automatic synchronizer. Elek.sta. 24 no.8:57 Ag '53.
(MLRA 6:8)
(Electric machinery)

BORISOVA, I.V., kand. ekonom. nauk; KISLOVA, T.A., dots.; MAKAROV,
N.A., starshiy преподаvatel'; POLYANSKIY, Ye.V., dots.;
GRINSHPON, F.O., red.; MALYAVKO, A.V., tekhn. red.

[Economics, organization, and planning in forestry] Ekonomika,
organizatsiia i planirovanie lesnogo khoziaistva. L'vov, Izd-vo
L'vovskogo univ., 1961. 302 p. (MIRA 15:3)
(Forests and forestry--Economic aspects)

AVERKIYEV, N.P.; YEFIMOV, P.A.; MAKAROV, N.A.

[Collective farm "XX Parts"ezd"] Kolkhoz imeni XX parts"ezda.
Leningrad, Lenizdat, 1959. 125 p. (MIRA 13:12)
(Collective farms)

BA
BIV MAKAROV, N. A.

Section 1

Differences in boron and zinc requirements of plants in different environmental conditions. M. Ya. Shkolnik and N. A. Makarov (C. R. Acad. Sci. URSS, 1949, 68, 409-412). --The toxic effect of traces of Cu on sunflower seedlings grown at 20-30° is virtually absent at 9-12°. Traces of B or Zn counteract the effect of Cu at the higher temp.

R. Tauson

MAKAROV, N.

It is the first mistake that costs. Za bezop.dvizh. 6 no.7:
12-13 JI '63. (MIRA 16:10)

1. Otdel regulirovaniya ulichnogo dvizhaniya Gosudarstvennoy
avtomobil'noy inspeksii.

MAKAROV, N.

We are checking title documents carefully. Fin. SSSR 23 no.12:
50-51 D '62. (MIRA 16:1)

1. Zamestitel' upravlyayushchego Novgorodskoy oblastnoy kontoroy
Stroybanka.

(Novgorod Province—Banks and banking)
(Novgorod Province—Construction industry—Finance)

L 7989-66

ACC NR: AP5026543

Orig. art. has: 1 figure.

SUB CODE: GC/ SUBM DATE: 17Apr64

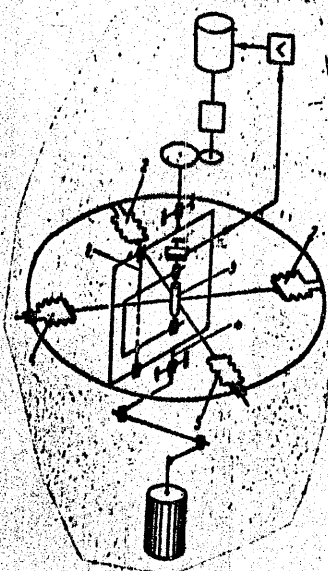
nw
Card 3/3

L 7989-66

ACC NR: AP502/543

mechanism.

Fig. 1. 1- turning axis of inner frame; 2- evacuated bellows; 3- common center; 4- turning axis of outer frame; 5- measuring bellows



Card 2/3

L 7989-66 ETC(W) WW

ACC NR: AP50:6543

SOURCE CODE: UR/0286/65/000/019/0087/0087

AUTHOR: Makarov, M. V.

ORG: none

TITLE: Pressure transducer. Class 42, No. 175276

SOURCE: 'Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 87

TOPIC TAGS: pressure transducer, differential manometer, measuring instrument, pressure measurement

ABSTRACT: This Author Certificate describes a pressure transducer containing two measuring and two evacuated bellows, a force compensation system, and a programming regulating mechanism (see Fig. 1). To measure the ratio and difference of two pressures and to increase the reliability during accelerated conditions, the bellows are arranged symmetrically in a common plane at right angles to each other, and are connected kinetically with the common movable center which interacts with the force compensation system. To increase the accuracy of measurement and to extend the measuring range, the force compensation system consists of two interconnected frames with noncoincident turning axes which interact with the programming regulating

Card 1/3

UDC: 531.767.2

MAKHOV, M.S.; KALABIN, A.I.

Minerating of vegetable substances. Vop. rud. geofiz. no.5.
25-32 '65. (MIRA 18.9)

MAKAROV, M.S., dotsent

Prevention of kyphosis in spondylitis by means of removal of
the destroyed vertebra, followed by spinal correction and fixation.
Khirurgiia 40 no.5:15-20 My '64. (MIRA 18:2)

1. Kafedra gospiatal'noy khirurgii (zav.- prof. P.M. Kovalevskiy)
Stavropol'skogo meditsinskogo instituta.

MAKAROV, M.S., dotsent

Method of treating a humpback in tuberculos spondylitis.
Uch. zap. Stavr. gos. med. inst. 12:263-264 '63.

(MIRA 17:9)

1. Kafedra gospi'tal'noy khirurgii (zav. prof. P.M. Kovalevskiy)
Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

MAKAROV, M.S., dotsent

Phase contrast apparatus in the observation of precipitation cultures. Uch. zap. Stav. gos. med. inst. 12:184-185 '63.

(MIRA 17:9)

1. Kafedra gospi'tal'noy khirurgii (zav. prof. P.M. Kovalevskiy) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

MAKAROV, M.S., dotsent; VOLOCHNIKOV, H.V.

Echinococcosis of the spine and a rib simulating a parasitic cyst of the right lung and the posterior mediastinum. Rab. zap. Stavr. gos. med. inst. 8:226-231 '63 (MIRA 17:7)

1. Kafedra gosital'noy khirurgii (zav. - prof. H.M. Kovalevskiy) Stavropol'skogo meditsinskogo instituta (rektor zaslushannyi deyatel' nauki, prof. V.G. Bedylin) i ortopedo-traumatologicheskoye otdeleniye 4-y gorodskoy bol'nitsy Stavropolya (glavnyy vrach A.A. Tarasova).

USSR/General Biology. General Histology.

D-3

Abs Jour: Ref Zhur-Biol., No 20, 1958, 90320.

Author : Makarov, M.S.

Inst : Stavropol Medical Institute.

Title : The Transformation of Segmented Leukocytes in an
in Vitro Culture.

Orig Pub: Uch. zap. Stavropol'sk. med. in-t, 1957, vyp. 1, 225-230.

Abstract: Leukocytes from pleural exudations and ascitic liquid of the human body were cultivated in the following preparations: in smears and according to the precipitate culture method. Altogether 54 series of experiments were made, consisting of 426 cultures. 4 groups of morphologically distinct neutrophilic leukocytes were discovered which showed the ability to transform into permanent cells of the connecting tissue. The granular leukocytes were transformed in cultures more

Card : 1/2

Card : 2/2

MAKAROV, M.S.

BOLDYREVA, O.D.; MAKAROV, M.S.

Variation of bone marrow puncture. Sovet. med. no. 9:31-32
Sept 1950. (CML 20:1)

1. Of the Obstetric-Gynecological Clinic (Head -- Prof. Ye. Ya. Stavskaya) and of the Clinic of Hospital Surgery (Head -- Prof. P. M. Kovalevskiy), Stavropol' Medical Institute (Director -- P. V. Polosin).

SARIN, Mikhail Il'ich; STUL'PINAS, Mechislav Iozo; YAKOBSON,
Lyuis Solomonovich; SURIN, N.M., red., red.; MAKAROV,
M.S., red.

[Use of a PR 80-2 reproducing punch] Primenenie repro-
duksionnogo perforatora PR 80-2. Moskva, Statistika,
1965. 44 p. (MIRA 18:11)

SUMIN, Nikolay Matveyevich: KALINOV, M.S., red.

[Operation of the PR80(45)-1 receiver-reproducing perforator
and the PR80(45)-2 perforator-reproducer] Eksploataatsiya
itogovo-dubliniushchego perforatora PR80(45)-1 i perforatora-
reproduktora PR80(45)-2. Moskva, Statistika, 1965. 239 p.
(Zem 17:10)

GALKIN, G.V.; GRANOVSKAYA, A.Yu.; MAKVETSOV, Ye.N.; SPIGLAZOV,
Ye.F.; RYAZANKIN, V.N., red.; MAKAROV, M.S., red.

[Punched-card computing machines: P80-5, P80-6, PA80-2
perforators, K80-6, K45-6, KA80-2 controllers, and S80-5,
S45-5, S80-5M, S45-5M sorting units] Schetno-perforatsion-
nye mashiny; perforatory P80-5 P80-6, PA80-2, kontrol'niki
K80-6, K45-6, KA80-2 i sortirovki S80-5, S45-5, S80-5M,
S45-5M. Moskva, Statistika, 1965. 207 p. (MIRA 18:9)

KOKOTKIN, Vasil'y Ivanovich; MAKAROV, M.S., red.

[Design and technical maintenance of adding machines;
models SDM-107, AES, SDM-133, AESVe, and AESM] Kon-
struktsiya i tekhnicheskoe obsluzhivanie summiruyushchikh
mashin; modeli SDM-107, AES, SDM-133, AESVe, AESM. Moskva,
Statistika, 1965. 146 p. (MIRA 18:7)

KOROVINA, N.N.; MOLODTSOVA, A.N.; CHIKHACHEV, M.S.; MAKANOV, M.S.;
ted.; SAZONOV, N.M., red.

[Multiple-counter Asket-class 170 adding machine] Mnogo-
schstchikovaia summiruiushchaya mashina-avtomat Asketa
klassea 170. Moskva, Statistika, 1964. 135 p.
(MIRA 1831)

IVANOV, Yuriy Viktorovich; VILKOV, A.I., date, retirement
LASHIN, A.N., retirement; MAKHOV, P.A., date.

[Planning and accounting log in machine accounting
tions] Planirovaniye i uchët na mashinnochetnykh ustanov-
kakh. Moskva, Statistika, 1964. 66 p. (Rias 1741)

1. Direktor Ferrovoy moskovskoy fabрики i konizirovaniya
schet (for Lashin).

KALMYKOV, A.P.; MAKAROV, M.S.

Improvement of M753 and M756 diesel locomotive engines. Elek. i
tepl. tiaga 7 no.6:10-11 Je '63. (MIRA 16:9)

1. Zavodskiy inspektor Glavnogo upravleniya lokomotivnogo
khozyaystva Ministerstva putey soobshcheniya.
(Diesel locomotives)

KALMYKOV, A.M.; MAKAROV, M.S.

Careful handling and maintenance of pumps prevents the penetration of water into the lubricating oil of M753 and M756 diesel locomotives. Elek. 1 tepl. tiaga 7 no.10:23
0 '63. (MIRA 16:11)

1. Starshiy zavodskoy inspektor Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Kalmykov). 2. Zavodskoy inspektor Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Makarov).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500046-6

MAKAROV, M.S.

Method of finding radioactivity using the Stieltjes integral. Docl.
Akad. Nauk SSSR, no. 5:153-156, 1965. (MIRA 18:8)

MAKAROV, M.S.

Elaboration of the methods and the experience in results
of biogeochemical prospecting for uranium deposits in a
region of the Soviet Union. Vop. rud. geofiz. no.5:33-39 '65.
(MIRA 18:9)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500046-6

ZEMLYANSKOV, V.D.; MAKAROV, M.P.

New developments in research. Stal' 25 no.10:956 0 '65.
(MIRA 18:11)

INSTITUTE OF THE THEORY AND HISTORY OF PEDAGOGY. MOSCOW, 1955.

BEKAROV, M. P. -- "Ilya Nikolayevich Ulyanov and the Education of the
Chuvash." Academy of Pedagogical Sciences USSR. Science Research
Institute of the Theory and History of Pedagogy. Moscow, 1955.
(Dissertation for the Degree of Candidate in Pedagogical Sciences.)

So; Knizhaya Letopis' No 3, 1956

MAKAROV, M.P., dotsent (Kuybyshev, obl., 1, Sadovaya ul., d.208,kv.5)

Myxomas of the retroperitoneal-pelvic-perineal region. Vest.
khir. 70 no.6:121-123 Ja'63 (MIRA 16:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (ispolnyayushchiy
obyazannosti zaveduyushchego - dotsent M.P.Makarov) Kuyby-
shevskogo meditsinskogo instituta.

MAKAROV, M.P., prof.; GOLOVANOV, A.M., ordinator.

Importance of using the tracheotome in the surgical treatment
of patients. Sov. Med. 27 no.7:21-27 J1'63. (MIRA 16:9)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. M.P.Makarov)
Kuybyshevskogo meditsinskogo instituta.
(TRACHEA—SURGERY)

ARENDR, A.A., prof.; ARKHANGEL'SKIY, V.V., kand. med. nauk; BOGDANOV, F.R., prof.; BONDARCHUK, A.V., prof.; KOPYLOV, M.B., prof.; KORNEV, P.G., zasl. deyatel' nauki RSFSR, prof.; KUSLIK, M.I., prof.; LEYBZON, N.D., doktor med. nauk; MAKAROV, M.P., kand. med. nauk; NIKOL'SKIY, V.A., prof.; PODCHUKA, A.I., doktor med. nauk; RAZDOL'SKIY, I.Ya., prof. [deceased]; ROSTOTSKAYA, V.I., kand. med. nauk; TUMSKOY, V.A., kand. med. nauk; UGRYUMOV, V.M., prof.; FISHKIN, V.I., kand. med. nauk; KHRAPOV, V.S., kand. med. nauk; CHIKOVANI, K.P., prof. [deceased]; SHLYKOV, A.A., prof.; PETROVSKIY, B.V., prof. zasl. deyatel' nauki RSFSR, otv. red.; YEGOROV, B.G., zasl. deyatel' nauki RSFSR prof., red. toma; MIRONOVICH, N.I., doktor med. nauk, zam. red.; PARAKHINA, N.L., tekhn. red.

[Manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz. Vol.4. [Neurosurgery; the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Neirokhirurgiya; posledstviya povrezhdeniya tsentral'noi nervnoi sistemy. Zabolevaniya pozvonochnika, spinного mozga i ego obolochek. Zabolevaniya vegetativnoi nervnoi sistemy. 1963. 667 p. (MIRA 16:10)

1. Deystvitel'nyy chlen AMN SSSR (for Petrovskiy, Yegorov, Kornev). 2. Chlen-korrespondent AMN SSSR (for Bogdanov).
(NERVOUS SYSTEM--SURGERY) (SPINE--SURGERY)

MAKAROV, M.P., dotsent

Role of blood tests in patients with ankylosing spondylitis.
Khirurgiia 36 no.11:128-131 N '60. (MIRA 13:12)

1. Iz kafedry gosspital'noy khirurgii (zav. - prof. A.M. Aminev)
Kuybyshevskogo meditsinskogo institut i Sverdlovskogo nauchno-
issledovatel'skogo instituta travmatologii i ortopedii.
(SPINE--DISEASES) (BLOOD PROTEINS)

MAKAROV, N.P., dots.

Early diagnosis of ankylosing spondylarthritis. Sov.med. 22 no.7:
78-82 J1 '58 (MIRA 11:10)

1. Iz Sverdlovskogo instituta vosstanovitel'noy khirurgii, travmatologii
i ortopedii (dir. - chlen-korrespondent Akademii meditsinskikh
nauk SSSR F.R. Bogdanov) i iz gosspital'noy khirurgicheskoy kliniki
(zav. - prof. A.I. Aminev) Kuybyshevskogo meditsinskogo instituta
(SPONDYLITIS, ANKYLOSING, diag.
early (Rus))

MAKAROV, M.P., dotsent

Congenital gigantic multilocular cyst of the pancreas. Khirurgiia
no.10:88 0 '55. (MLRA 9:2)

1. Iz gosspital'noy khirurgicheskoy kliniki Kuybyshevskogo meditsinskogo
instituta.

(PANCREAS--TUMORS) (CYSTS)

MAKAROV, M.T.

KLIMOV, K.M., professor, laureat Stalinskoy premii; SMIRNOV, Ye. professor;
KIRILLOV, B.K., professor, FAYVISHENKO, E.L., professor, MUKHIN, M.V.
professor; BAL', professor, NORENBERG-CHARKVIANI, A.Ye., doktor me-
ditsinskikh nauk; SAKHAROV, M.I., doktor meditsinskikh nauk; MAKAROV,
M.P., dotsent; BUTIKOVA, N.I., dotsent; SHELLOMOVA, T.P., kandidat
meditsinskikh nauk; RAKITINA, L.N., kandidat meditsinskikh nauk;
KAMPEL 'MAKHER, Ya.A., kandidat meditsinskikh nauk.

Forty years of Professor A.T.Lidskii's scientific, medical and
pedagogical activities. Khirurgiia no.6:82-83 Je '55 (MIRA 8:10)
(LIDSKII, ARKADII TIMOFEEVICH)

M. K. K. G. V.

M. P.

NEW Problem of the treatment of subacute arteritis by
intravascular injection of novocaine. M. P. KALACHOV, from Khabarovsk and Irkutsk, 1961, p. 210-217; *Zhurnal Vost. Kazn.*, 1960, No. 55-60. 100 patients suffering from ulcerating atherosclerosis were under observation. 8 ml. of 1% novocaine solution with 2 ml. of 1% sodium citrate was slowly injected into the femoral artery. After 1-2 min. hypervolemia within definite limits was observed on the skin of the foot, the knee joint, and the hip. It disappeared in 1-2 min. There was a sensation of slight numbness in the part of the hand and a sensation of the blood pressure. The second injection was made 1-2 days later depending on subjective sensations and clinical manifestations. The best results were achieved with patients who had ulcerating and atherosclerosis of a chronic stage (positive results in 60-70% of cases). The method described is not only curative but also diagnostic and prognostic. The patient's sensation of a flow of warmth down to the feet is usually a sign of the permeability of the vessel stem or bifurcation. As a rule, these cases almost always reach the knee joint (distal) and favorably reach the foot (distal) and favorably reach the foot (distal). The patient is not in danger of an amputation. (Russian)

MAKAROV, M.P., dotsent.

Therapy of endarteritis obliterans (thromboangitis) with intra-
arterial administration of novocaine. Khirurgiia no.11:49-52 N '53.
(MLBA 6:12)

1. Iz kafedry gosital'noy khirurgii (direktor - professor A.M.Aminev)
Knybyshevskogo meditsinskogo instituta.

(Novocaine) (Arteries--Diseases)

MAKAROV M. P.
SOROKINA, V. I.; MAKAROV, M. P.

Treatment of pulmonary suppurative processes with penicillin administered by tracheal puncture. Sovet. med. 16 no.5:36-37 May 1952. (CLML 22:2)

1. Of the Hospital Therapeutic Clinic (Head -- Prof. A. I. Germanov) and of the Hospital Surgical Clinic (Head -- Prof. A. M. Aninev), Kuybyshev Medical Institute.

MAKAROV, M.P.

Use of gypsum M 400 (highly durable) in surgical practice. Khirurgia,
Moskva no.3:61-63 Mar 51. (CLML 20:7)

1. Lt. Col., Medical Corps.

MAKAROV, Mikhail Nikitovich; YARMYSH, Yu., red.; ISUPOVA, N., tekhn. red.

[Gurzuf; study and guide book] Gurzuf; ocherk-putevoditel'. Sim-
feropol', Krymizdat, 1961. 83 p. (MIRA 14:12)
(Gurzuf--Description)

MAKAROV M.N.
ALYAB'YEV, N.M.; VYSOTSKIY, K.K.; MAKAROV, M.N.; TKACHENKO, A.A.;
KOSYACHENKO, P.I., red.; FISENKO, A.T., tekhn.red.

[In the mountains and forests of the Crimea; a guidebook to
the V.V.Kuibyshev State Forest in the Crimea.] V gorakh i
lesakh Kryma; putevoditel' po zapovedniku. Simferopol',
Krymizdat, 1957. 109 p. (MIRA 11:1)

1. Krymskiy gosudarstvennyy zapovednik im. V.V.Kuibysheva.
(Crimea--National parks and reserves)

MAKAROV, M.; STEPANOV, A., red.; LITVINOV, I., tekhnred.

Alupka-Simeiz. Simferopol', Krymizdat, 1954, 176 p.
(ALUPKA) (SIMEIZ) (MIRA 13:5)

MAKAROV, M.N., mayor

In training it is as it was in combat. Vest.protivovozhd.obor.
no.10:65-67 2 '61. (MIRA 15:2)

(Radar, Military)

LEPEKHIN, F.G.; MAKAROV, M.M.; TKACH, L.N.

Applicability of the evaporation theory in describing the
emission of multiply charged particles from heavy nuclei.
IAd. fiz. 1 no.6:987-993 Je '65. (MIRA 18:6)

1. Fiziko-tekhnicheskiy institut imeni Ioffe AN SSSR.

MAKAROV, M.N.

(Faint, illegible text)

Production of multiply charged particles in the interaction
between 75-350 MeV protons and nuclei. *Dokl. Akad. Nauk SSSR*,
46 no.2:877-880, 1964.

1. Fiziko-tekhnicheskii institut imeni L.D. Landau.

L 16905-63

ACCESSION NR: AP005244

6

comparison indicates that for 70--100 MeV protons the multiply charged particles are produced through quasi-elastic scattering of the bombarding protons on instantaneous nuclear substructures. An indication is obtained that the intranuclear momentum distribution of the multiply-charged particles is Gaussian. "The author wishes to thank Professor A. P. Komar, F. G. Lepekhin, and O. V. Lozhkin for their interest and for discussions of the results, L. N. Tkach for measurements and treatment of the experimental data, and L. V. Morozova for scanning the emulsions." Orig. art. has: 6 figures and 2 tables.

ASSOCIATION: Fiziko-tehnicheskii institut im. A. F. Ioffe Akademii nauk SSSR
(A. F. Ioffe Physicotechnical Inst. Acad. Sci. SSSR)

SUBMITTED: 07Feb63

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: FH

NO REF SOV: 006

OTHER: 003

Coyd 2/2

I 16904-63

EWT(1)/EWT(m)/BDS/EEC(b)-2/ES(w)-2 AFTTC/ASD/ESD-3/AFWL/

LJP(C)/SSD P1-4/Pe-4/Pab-4

ACCESSION NR: AP3005244

8/0056/63/045/002/0056/0063

AUTHOR: Nakarov, M. M.81
75

TITLE: Angular dependences in the production of multiply charged particles by protons of energy 75-350 MeV

21

SOURCE: Zhur. eksper. i teoret. fiziki, v. 45, no. 2, 1963, 56-63

TOPIC TAGS: multicharged particles, angular distribution, nucleon nucleus interaction, intranuclear cascade, quasi elastic scattering

ABSTRACT: The angular distributions of secondary multiply-charged particles and fast protons from a synchrocyclotron were measured relative to incident beams of 76-, 100-, 200-, and 350-MeV protons in order to ascertain the production mechanism of the multiply-charged particles from interactions between high-energy nucleons and nuclei. The conventional Monte-Carlo calculation of the intranuclear cascade and the quasi-elastic ejection calculation are compared with the experimental angular distributions of the fast protons relative to the beam, with the correlations between the fast protons and the multiply-charged particles, and with the dependences of these correlations on the emission angle and beam energy. The

Card 1/2

L 17612-63

S/056/63/044/003/029/053 /

Calculation of the energy...

taking into account various subgroups of the nucleus, assigning to their existence, in one way or the other, certain probabilities, and assuming momentum distributions for each subgroup of the nucleus. To be able to discuss various experimental results and to obtain certain characteristics of the quasi-elastic knocking-off of multicharged particles, the author carried out this kinematical calculation using an electronic computer for the evaluation of the energy spectra of multicharged particles emitted at a given angle and their angular correlations with the scattered protons. The dependence of these characteristics on the proton beam energy, momentum distribution in the nucleus, emission angle, binding energy, and mass of the multicharged particles is investigated. The results of the calculations are compared with the experimental data and it is shown that the presently developed cascade theory agrees with the experiments. There are 8 figures.

ASSOCIATION: Fiziko-tekhnicheskii institut im. A. F. Ioffe Akademii nauk SSSR
(Physico-Technical Institute im. A. F. Ioffe of the AS USSR)

SUBMITTED: September 25, 1962

Card 2/2

L 17612-63

EWT(m)/EDS AFFTC/ASD

S/056/63/044/003/029/053

52
51

AUTHOR: Makarov, M. M.

TITLE: Calculation of the energy and angular characteristics of
multicharged particles produced by high energy protonsPERIODICAL: Zhurnal eksperimental'noy i tekhnicheskoy fiziki, v. 44, no. 3,
1963, 962-968

TEXT: Bruckner's so-called "cluster" model of the nucleus foresaw the possibility of strong correlations among the nucleons leading to the formation of shortlived substructures. Consequently, during the interactions of high energy particles with the nuclei one must take into account not only the nucleon-nucleon collisions but also the nucleon-deuteron, nucleon-Li, d-d, α -d, α - α , etc. collisions. One must emphasize that within the nucleus the collisions are basically of the nucleon-nucleon type, and, therefore, the calculated results using the Serber-Goldberger scheme and considering only the nucleon-nucleon interaction in general agree with experiments. However, to investigate finer effects during interactions of high energy particles with nuclei, one must calculate the cascades within the nucleus,

Card 1/2

Search for angular correlations ...

S/056/63/044/001/014/067
B108/B180

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii
nauk SSSR (Physicotechnical Institute imeni A. F. Ioffe of
the Academy of Sciences USSR)

SUBMITTED: July 17, 1962

Card 2/2

S/056/63/044/001/014/067
B108/B180

AUTHORS: Lopekhin, F. G., Makarov, M. M.

TITLE: Search for angular correlations in stars with fragments
produced by 9-Bev protons

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44,
no. 1, 1963, 68 - 70

TEXT: Fragments and nucleons emerging from processes that follow the laws of conservation should show angular correlations. To establish this, the authors examined the angular distributions of the "black" and "gray" traces of ordinary nuclear fission events, and of the products of fragmentation released by 9-Bev protons in nuclear emulsions. About 7000 angles were measured on an ММГД-1 (MIGE-1) microscope. Each star had an average of 12.5 prongs (excluding fragments). The angular distribution of the "black" traces was isotropic in relation to the traces of the fragments. The distribution of "black" traces in stars with fragments was the same as in ordinary stars. There are 2 figures. ✓

Card 1/2

MAKAROV, N.

"Sirius," the little sun. Tekh.mol. 30 no.1:1-2 '62. (MIRA 15:2)
(Electric discharge lighting)

DAROVSKIKH, V.F.; MAKAROV, M.M.; OSTROUMOV, V.I.

Observation of the decay of a B^0 nucleus in a nuclear emulsion.
Dokl. AN SSSR 141 no.3:593-594 N '61. (MIRA 14:11)

1. Radiyevyy institut im. V.G. Khlopina AN SSSR. Predstavleno
akademikom B.P. Konstantinovym.
(Particle track photography)

MAKAROV, M.M.; PERFILOV, N.A.

Fragmentation on light nuclei. Dokl. AN SSSR 138 no.3:579-580 My
(MIRA 14:5)
161.

1. Radiyevyy institut im. V.G.Khlopina AN SSSR. Predstavleno
akademikom B.P.Konstantinovym.
(Nuclear reactions)

PERFILOV, N.A.; IVANOVA, N.S.; LOZHKIN, O.V.; MAKAROV, M.M.; OSTROUMOV, V.I.;
SOLOV'YEVA, Z.I.; SHAMOV, V.P.

Fragmentation of Ag and Br nuclei by 9 Bev. protons. Zhur.eksp.i
teor.fiz. 38 no.2:345-350 F '60. (MIRA 14:5)

1. Radiyevyy institut Akademii nauk SSSR.
(Protons) (Nuclear reactions)

ZHIRNOV, F.D., inzh.; MAYSKIY, N.I., dots.; MAYSKIY, V.N., inzh.;
TOCHILINA, L.V., red.; KAKAKOV, M.M., nauchn. red.

[Principles of electrical engineering and the electrical
equipment of tractors, combines, and motor vehicles] Osnovy
elektrotehniki i elektrooborudovanie traktorov, kombainov
i avtomobilei. Moskva, Vysshaia shkola, 1964. 219 p.
(MIRA 18:2)

ACCESSION NR: AP4019252

energy. The analysis of the results has shown that the experimental characteristics agree with data based on the nuclear-cascade model. The presence of a large number of subbarrier multiply charged particles, due to the preferred production of multiply charged particles on the periphery of the nucleus, is deduced. It is therefore concluded that subbarrier multiply charged particles can serve as indicators for the diffuse surface of the nucleus. Orig. art. has: 2 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR
(Physicotechnical Institute AN SSSR)

SUBMITTED: 26Jul63

DATE ACQ: 27Mar64

ENCL: 02

SUB CODE: PH

NO REF SOV: 001

OTHER: 000

Card 2/4

ACCESSION NR: AP4019252

S/0056/64/046/002/0809/0810

AUTHOR: Makarov, M. M.

TITLE: Production of multiply charged particles in interactions between nuclei and 75--350 MeV protons

SOURCE: Zhurnal eksper. i teor. fiz., v. 46, no. 2, 1964, 809-810

TOPIC TAGS: multiply charged particle, multiply charged fragment, nuclear emulsion method, heavy nucleus fragmentation, nuclear cascade, peripheral interaction, Coulomb barrier

ABSTRACT: The production of multiply charged particles or fragments was investigated by the nuclear emulsion method, using a procedure reported earlier (ZhETF v. 45, 56, 1963). The results pertain primarily to the Li and Be fragments from the disintegration of heavy nuclei. A distinct feature of the energy spectra is that the most probable fragment energy is independent of the incident-proton

Card 1/4

MAKAROV, M.M.; KUZNETSOV, N.V.

Kinetics of the drying of asbestos paper. Khim. i khim. tekhn.
1:355-362 '62. (MIRA 17:2)

MAKAROV, M.M., EPSHTEYN, V.G., MAKAROV, V.M.

The new rubber recovery method using a heated air jet.

Report submitted for the 4th Scientific research conference on the Chemistry and technology of synthetic and natural rubber. Yaroslavl, 1962

Continuous Vulcanization of Rubberized Cloth

S/081/60/000/006/007/008
A006/A001

loads against the drum, a winding drum equipped with a heated jacket to preserve the heat (by the second method) and rotated by a motor through a reducer. Shields are mounted to preserve the heat of the cloth during the transfer from one drum to the other. For infrared heating the steel drum is replaced by radiators with a uniform temperature field over the whole surface. The speed of the cloth's motion is regulated by the motor revolutions; the temperature of the cloth and the drum is measured with petalous and bow thermocouples. ✓

M. Monastyrskaya

Translator's note: This is the full translation of the original Russian abstract.

S/081/60/000/005/007/008
A006/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 6, p. 596, # 24748

AUTHOR: Makarov, M.M.

TITLE: Continuous Vulcanization of Rubberized Cloth

PERIODICAL: Uch. zap. Yaroslavsk. tekhnol. in-ta, 1959, Vol. 3, pp. 213-220

TEXT: Two methods of continuous vulcanizing of rubberized cloth are suggested. By the first method the rubberized layer of the cloth contacts the metallic surface of a rotating drum with a temperature of 230-250°C, and is rapidly heated to 210-220°C (vulcanization time - 15 sec); a smooth surface is obtained by the simultaneous rolling of the cloth to the drum by rollers. Infrared heating at a radiator temperature of 460°C is possible. Vulcanization is completed within 11 sec. Without rolling, the surface is rough and finely porous. The second method consists of two stages: 1) heating by the indicated mode to 150-160°C and 2) winding of the heated cloth onto a second drum and holding for 15 min until completed vulcanization. In both cases the durability of the cotton is not diminished. For the checking of the described methods a laboratory installation was constructed consisting of a steel drum with electric heating, rollers, pressed by

Card 1/2

SOV/112-59-1-152

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1,
pp 16-17 (USSR)

AUTHOR: Makarov, M. M., and Chernyakovskiy, F. P.

TITLE: Dielectric Properties of Friction Rings

PERIODICAL: Uch. zap. Yaroslavsk. tekhnol in-ta, 1957, Vol 2, pp 163-172

ABSTRACT: Dielectric properties of friction-ring material were investigated at 6-23 mc with a moisture content of 1.28-11.8%, in connection with the task of high-frequency drying and curing the rings. The measurements were made by a KV-1 Q-meter with an airgap between the sample and the measuring-capacitor plate. Bibliography: 1 item.

Soviet abstractor's note: The frequency-response characteristics have a sharp peak of permittivity and a dip in the loss angle at 12 mc. This contradicts the physical meaning of the relaxation losses and compels one to look for the cause of these effects in the systematic errors of measurement.

A.V.N.

Card 1/1

ZHIBNOV, F.D., inzh.; MAYSKIY, N.I., dots.; MAYSKIY, V.W.,
inzh.; TOCHILINA, L.V., red.; MAKALOV, M.M., mech. eng.

[Principles of electrical engineering and the electrical
equipment of tractors, combines, and motor vehicles]
Osnovy elektrotekhniki i elektrooborudovanie traktorov,
kombainov i avtomobilei. Moskva, Vysshaya shkola, 1972.
219 p. (LINA 1711)

MAKAROV, M.M.

Supplementary information on the use of the immersion method.
Trudy Inst.min.resur. AN URSR no.2:53-58 '60. (MIRA 15:5)
(Minerals--Optical properties)

18 MAKAROV, M. M. CA		PROCEDURE AND PROPERTIES INDEX Preparation of H_2S from pyrite by the action of water vapor. I. P. Kirillov and M. M. Makarov (Ivanovsk Chem. Tech. Inst.). <i>J. Applied Chem.</i> (U.S.S.R.) 19, 71-8(1946)(English summary).--Interaction of pyrite with steam at 500-800° proceeds mainly with gaseous-phase formation of H_2S and SO_2, although beginning with 600° there is formed an increasing amt. of H_2. Increase of temp. above 600° increases the over-all reaction rate but leads to decreased percentage of H_2S. Increase of steam content to 6 times theoretical, leads to considerable increase of H_2S content and of percentage utilization of S in pyrite. Use of carboniferous pyrite leads also to formation of CO and CO_2 with lowered SO_2 and H_2S content. Particle size is not of particular import. G. M. K.	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION EXCHG WITH ONLY ONE EXCHG WITH ONLY ONE		EXCHG WITH ONLY ONE EXCHG WITH ONLY ONE	

1. 21131-82 271(2)/240(2) RM/RMH

REGISTRATION NO: APT 015288

UR/C286/65/000/009/0061/0061

AUTHORS: Iskender, Z. M.; Ghupakhin, O. M.; Makarov, M. I.; Smirnova, M. B. 17

TITLE: A method for obtaining an anionite. / Class 39, No. 170660

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 2, 1965, 67

TOPIC TAGS: anionite, epichlorohydrin, polyethylenepolyamines, isoquinoline

ABSTRACT: This Author Certificate presents a method for obtaining an anionite by the polycondensation of epichlorohydrin with a nitrogen heterocyclic compound and by further hardening of the finished product with polyethylenepolyamines. To broaden the assortment of high-capacity anionites, isoquinoline is used as the nitrogen heterocyclic compound.

ASSOCIATION: none

SUBMITTED: October

ENCL: 00

SUB CODE: 00

NO REF NOY: 000

OTHER: 000

Card 1/1

MAKAROV, M.F.

Valuable device for analyzing cement mixes. Tsement 30 no. 5:12
S-O '64. (MIRA 17:12)

1. Gubryakovskiy tsementnyy zavod.

SKUL'SKIY, Yu.V.; MAKAROV, M.D.; POPOV, A.N.; KHOKHLOV, P.L.; SOBOLEV, N.T.

Cast and welded flanged cast-iron pipe. Avton.svar. 18 no.18:57-
59 N '65. (MIRA 18:12)

1. Institut elektrosvarki im. Ye.O.Patona AN UkrSSR (for
Skul'skiy, Makarov, Popov). 2. Makeyevskiy truboliteynnyy
zavod im. Kuybysheva (for Khokhlov, Sobolev). Submitted
March 24, 1965.

LEBEDEV, V. K.; KORITSKIY, V. A.; SIDORENKO, M. N.; MAKAROV, M. D.

New transformers for manual arc welding. Avtom. svar. 15
no. 11:51-55 N '62. (MIRA 15:10)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki
imensi Ye. O. Patona AN UkrSSR.

(Electric welding—Equipment and supplies)

POTAP'YEVSKIY, A.G.; KORTSKIY, V.A.; Primalni uchastiye: MECHIEV, V.S.;
MAKAROV, M.D.; VAYSHMEYIN, A.L.; KULIKOV, N.N.; SHENOVSKAYA, I.V.;
PANEAN, S.M.; FEDOTOVA, L.P.; TATARINOV, G.V.

Ob-458m attachment for welding in CO₂ using IS-300, PS0-300,
and PS-500 transformers. Avton.svar. 15 no.10:68-70
0 '62. (MIRA 15:11)

(Electric welding--Equipment and supplies)

MAKAROV, M.M., prof.

Use of tissue preparations for increasing the reproductive ability of animals and for keeping young animals in good health. Veterinariia 39 no.10:57-60 0 '62. (MIRA 16:6)

1. Voronezhskiy sel'skokhozyaystvennyy institut.
(Tissue extracts)
(Veterinary medicine)

MAKAROV, M.A., inzh.

The IKS-5,0 root crop grinder. Trakt. 1 sel'khoz mash. 33 no.4:35
Ap '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokho-
zyaystvennogo mashinostroyeniya.
(Feed grinders)

MAKAROV, M.A., inzh.

A KUT-3,0 feed spreader. Trakt. i sel'khoz mash. 31 [i.e.32] no.11:36
N '62. (MIRA 15:12)
(Feeding and feeding stuffs) (Agricultural machinery)

MAKAROV, M.A., prof.; SOLOV'YEV, S.I.

Agar-tissue preparation for the stimulation of animal fattening.
Zhivotnovodstvo 24 no.9:35-36 S '62. (MIRA 15:12)

1. Vornezhskiy sel'skokhozyaystvennyy institut. (for Makarov).
 2. Direktor Voronezhskoy oblastnoy veterinarnoy laboratorii (for Solov'yev).
- | | | |
|--------|---------------------------|-------------------|
| (Agar) | (Stock and stockbreeding) | (Tissue extracts) |
|--------|---------------------------|-------------------|

L 42936-66 ARG/EWT(d)/FBO/EWP(c)/EWP(h) DE/WW
ACC NR: AN6009143 (N) SOURCE CODE: UR/9008/65/000/281/0001/0001

AUTHOR: Makarov, M. (Major)

ORG: none

TITLE: Training a missile subunit in simulated firing against aerial targets

SOURCE: Krasnaya zvezda, ^{no. 281,} 30 Nov 65, p. 1, col. 4-7

TOPIC TAGS: specialized training, guided missile training, training procedure,
military tactic, *AERIAL TARGET*

ABSTRACT: The article deals with the training of a missile subunit in vectoring
missiles and simulated firing against aerial targets flying at various altitudes. Sim-
ulated firing exercises are carried out on a trainer and against fighter airplanes.
The procedures of crew members in target seeking, vectoring missiles against
detected aerial targets, simulated firing, and other training procedures are analyzed.
[NT]

SUB CODE: 15/ SUBM DATE: none/

Card 1/1 MLP

MAKAROV, M., mayor

Rocket launching units are always ready to defend our country.
Komm.Vooruzh.Sil 2 no.13:53-55 J1 '62. (MIRA 15:7)
(Rockets (Ordnance))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500046-6

MAKAROV, M.

New tractors. Prof. tekhn. obr. 19 no. 4:13-16 Ap '60. (MIRA 1534)
(Tractors---Design and construction)

AUTHORITY : S. Kh.
 ORIGIN : Sakhalin Island - Industrial, Olenok, Japan. H
 DATE : 1958, No. 1, 1958, No. 1440
 TITLE : Maximov, B.
 INFO : S. Kh. Sakhalin Island, Olenok, Japan.
 INFO : On the diseases of Spruce, Cotton Pines.

INFO, PIR. : S. Kh. Kirgizia, 1957, No. 1, 20-2

ABSTRACT : Field experiments conducted at Kirgizskaya complex school
 experiment station of Soyuzdizkhoz since 1955, showed the
 advantages of 50 x 50 cm squares with the number of the
 plants not more than three in a hill. With such spacing,
 it was possible to differentiate the diseases of the plants
 within the range of 30-120 thousand on 1 ha, cut deeper
 irrigation furrows and to carry out tillage between the
 rows with fewer injuries. -- A. B. Smirnov

* Kirgizskaya Research Station Institute

Card: 1/1

MAKAROV, M.

Honoring the 43d anniversary of the Great October Revolution.
Mull.-elev. prom. 26 no. 11:1-3 N '60. (MIRA 13:11)

1. Zamestitel' predsedatelya Gosudarstvennogo komiteta Soveta
Ministrov SSSR po khleboproduktsii.
(Grain--Storage) (Grain milling)

MAKAROV, M.

Output of fishery products at the refrigeration plants could
be increased. Sov. torg. 36 no.10:22 0 '62. (MIRA 16:2)
(Fishery products)

MAKAROV, M.

Regulating the fuel pumps of tractor diesels. Prof.-tekh.
obr. 18 no.12:19-21 D '61. (MIRA 14:12)
(Fire pumps)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031500046-6

MAKAROV, Leonid Vladimirovich

[Drilling fluids in core drilling] Promyshlennye zhid-
kosti v kolonkovom burenii. Moskva, Nedra, 1965. 63 p.
(MIRA 18:6)

LUCHIKHINA, S.Ye.; MAKAROVA, G.V.; IVACHEV, L.N.; MAKAROV, L.V.

Compressorless method for the creation of swirling fluids in
hole boring. Invent. i okh. nedr 30 no.2:14-23 1964.

(HRA 17:12)

1. Ural'skoye geologicheskoye upravleniye (for Luchikhina,
Makarova). 2. Sverdlovskiy gornyy institut (for Ivachev, Makarov).

MAKAROV, L.V.; IVACHEV, L.M.

Operation of drill pumps using aerated circulation fluids.
Razved. i okh. nedr. 30 no.3:31-33 Mr '64 (MIRA 18:1)

1. Sverdlovskiy gornyy institut.

MAKAROV, L.V.

Stability criteria for clay minerals in wells. Inv. vzo. uch. zov.
neft' i gaz 7 no.3:31-34 '64. (SMA 17:2)

1. Sverdlovskiy gornyy institut im. V.V. Vakhrameeva.

MAKAROV, L.V.

Using electrochemical treatment of clay solutions for eliminating complications in drilling. Izv. vys. ucheb. zav.; geol. i razv. 7 no.2:127-131 F'64. (MIRA 17:2)

1. Sverdlovskiy gornyy institut im. V.V. Vakhrusheva.

MAKAROV, I.V.

Electromechanical processing of clay muds. *Izv.vys.ucheb.zav.*;
reft' i gaz 5 no.8:37-41 '62. (MIRA 17:3)

1. Sverdlovskiy gornyy institut im. V.V.Vakhrusheva.

MAKAROV, L.V.

Using aerated muds to control circulation losses. Izv. vys. ucheb.
zav.; neft' i gaz 4 no.11:29-33 '61. (MIRA 17:2)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.

MAKAROV, I.V.

Practice of using aerated muds to eliminate circulation losses in
drilling. Razved. i okh. nedr 27 no.10:33-36 3 '61. (MIRA 15:3)

1. Sverdlovskiy gornyy institut im. V.V.Vakhrusheva.
(Drilling fluids)

MAKAROV, L.V.

Making drilling fluids from lumpy clays in hydraulic mixers. Izv.
vys. ucheb. zav.; neft' i gaz 3 no.9:33-37 '60. (MIRA 14:4)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
(Oil well drilling fluids)
(Mixing machinery)